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# **WATER SUPPLY OUTLOOK FOR UTAH**



**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES  
-- DIVISION OF WATER RIGHTS**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**FEB. 1, 1976**

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SURVEYOR ENROUTE TO THE MT. BALDY ARIZONA SNOW COURSE  
SCS PHOTO AZ-5460

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

R. M. DAVIS

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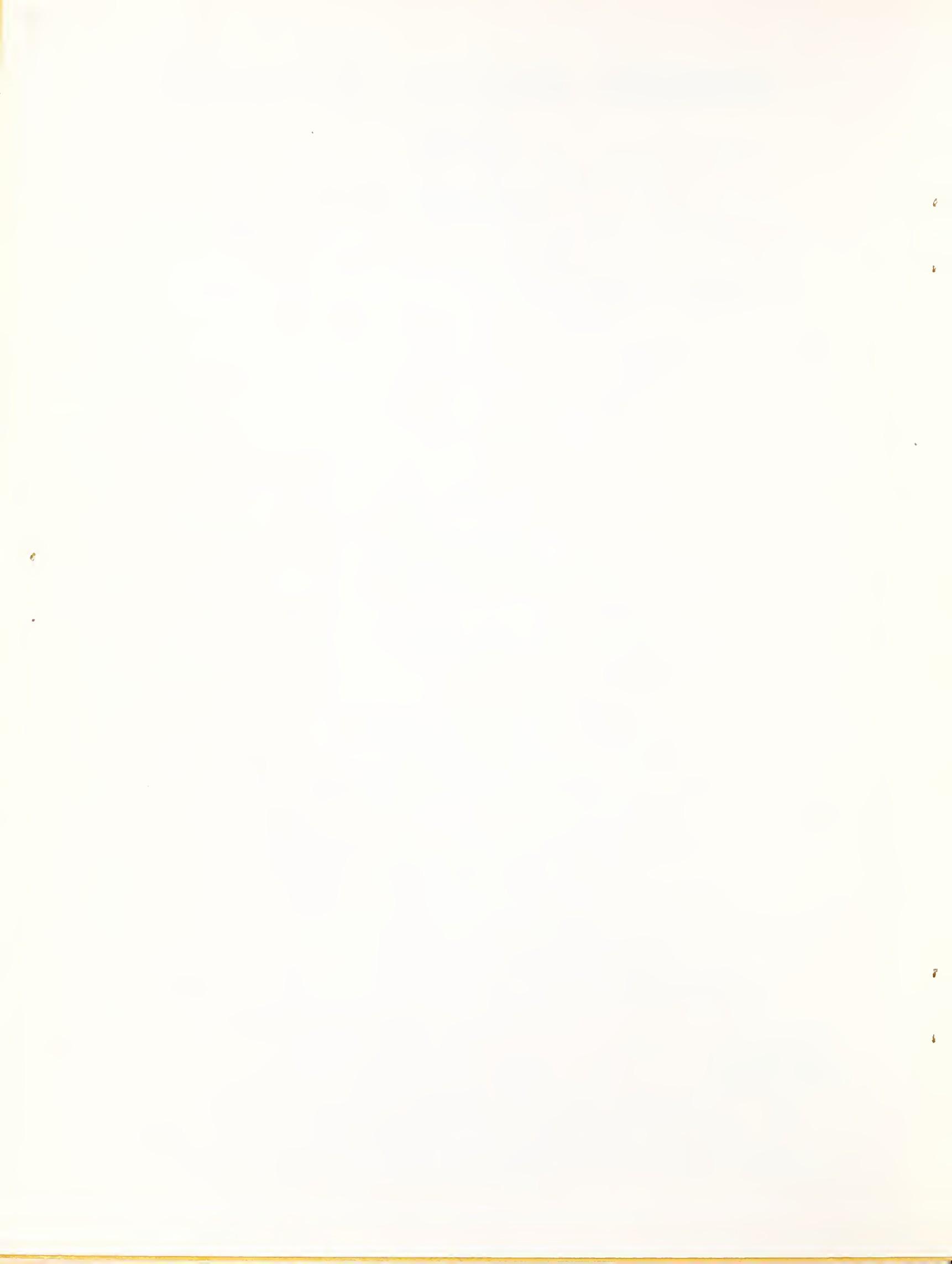
STATE ENGINEER  
DIVISION OF WATER RIGHTS  
UTAH STATE DEPT. OF NATURAL RESOURCES

*Report prepared by*

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4012 FEDERAL BUILDING  
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# PROSPECTIVE WATER SUPPLIES

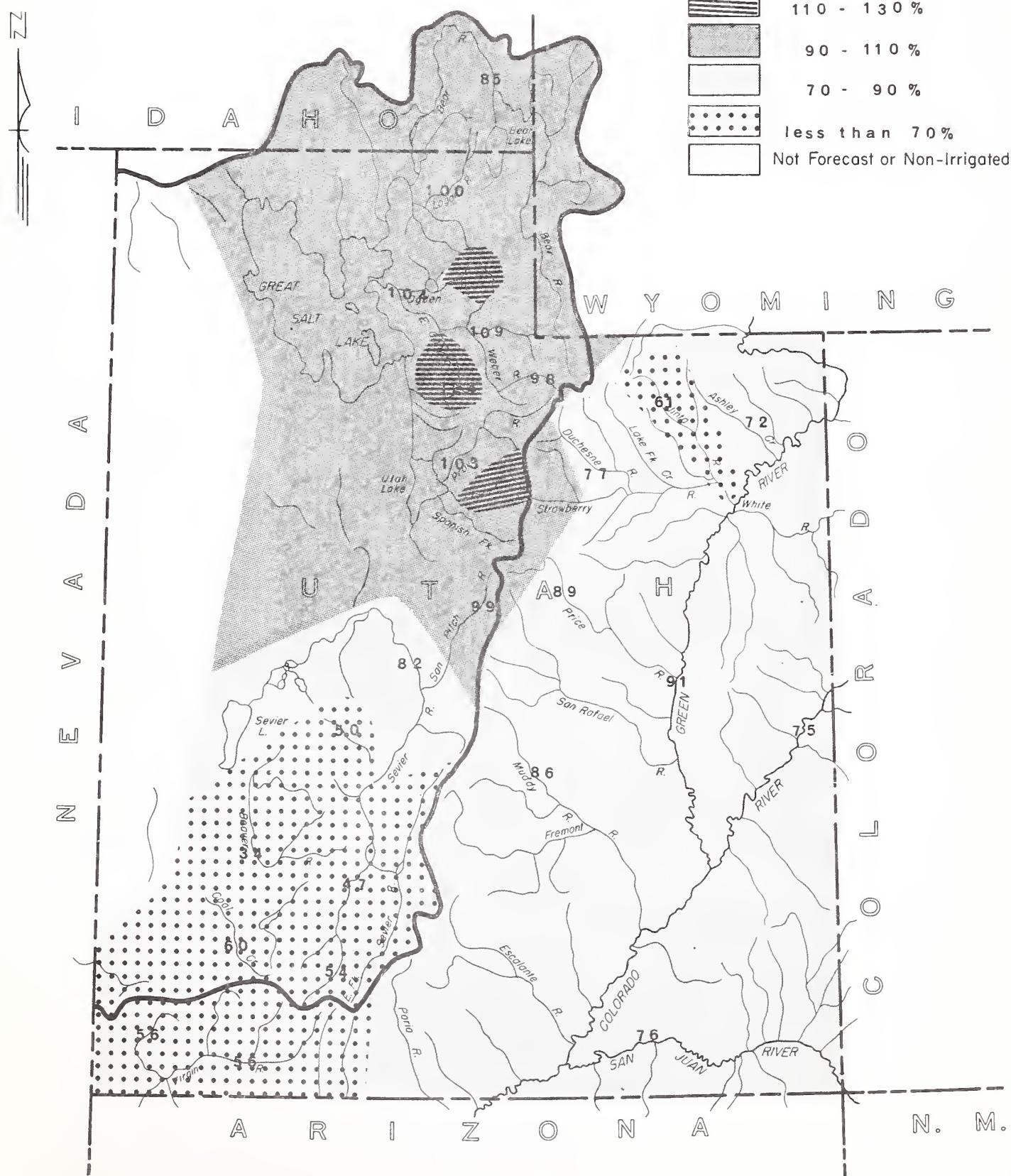
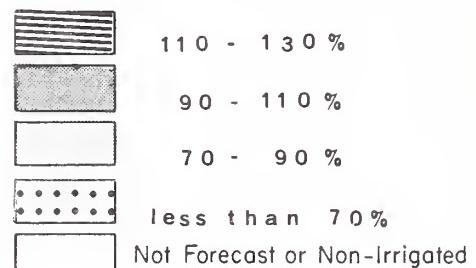
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

FEBRUARY 1, 1976

Approximate Date

50 0 50 100  
SCALE IN MILES

FORECAST STREAM FLOW  
in Percent 1958 - 72, 15 Year Average





# WATER SUPPLY OUTLOOK

as of  
FEBRUARY 1, 1976

## SNOW COVER

Snow cover varies from 40 to 60% of the February 1 average on the Virgin, Upper Sevier, Beaver, and Uintah Basin streams, to 70 to 90% of average on the San Rafael, Lower Sevier, Strawberry, and Ogden Basins, and 90 to 107% on Price, Provo, Weber, and Salt Lake front streams. A dry January did not produce the usual increases to the snow pack.

## PRECIPITATION

Precipitation at mountain stations was generally below to well below average during January. Some stations reported only 3 to 10% of average for the month. Accumulated amounts for the October-January period range from 46% of average in southern Utah to 131% in northern Utah.

### SOIL MOISTURE

Watershed soils are generally drier than average in southern Utah and near average in the northern part of the state.

## RESERVOIR STORAGE

Carry over storage is above last year at this time and generally well above average. Twenty one of Utah's key irrigation reservoirs are now 138% of average and 109% of last year at this time.

## STREAMFLOW FORECASTS

Streamflow forecasts range from 40 to 60% of the April-July average in southern Utah and as high as 120 to 130% in northern Utah. Uintah Basin forecasts range from 53% on White Rocks to 93% on Strawberry at Duchesne. Ashley Creek is 72% of average. Weber, Ogden, and Bear forecasts are within 3 or 4% of average. Utah Lake drainages range from 97 to 112% of average and streams near Salt Lake range from 97% on Little Cottonwood to 124% on Parleys. Inflow to Strawberry is 118% and Pineview Inflow is 104% of the April-June average.

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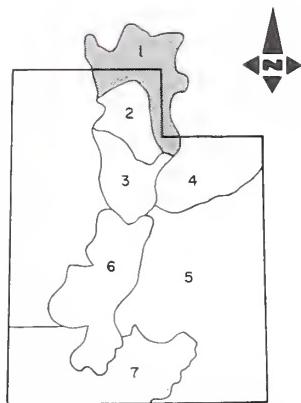
# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

### LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



FEBRUARY 1, 1976

### THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 91% of average on Logan River to 97% on the Upper Bear.

PRECIPITATION at mountain stations varied from 13% of the January average at Monte Cristo Ranger Station to 83% at Salt River Summit. Accumulated amounts for the October-January period ranged from 85 to 107% of the 15 year average.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 83% of average on Thomas Fork to 131% on Big Creek. The Bear at Utah-Wyoming line is forecast at 97% of average and 85% at Harer, Idaho. Water supplies are expected to be adequate for all uses in this area.

Report prepared by  
BOB L. WHALEY

U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
<b>BEAR RIVER</b>					
Bear at Harer, Idaho <sup>1</sup>	230	85	Apr-Sept	- -	271
Bear nr Randolph	91	89	Apr-July	145	102
Bear nr Ut-Wyo. State Line	108	97	Apr-July	140	112
Bear nr Woodruff	113	87	Apr-July	186	130
Big Crk nr Randolph, Utah	5.5	131	Apr-July	- -	4.2b
Blacksmith Fork nr Hyrum	45	94	Apr-July	63	48
Little Bear nr Paradise	36	106	Apr-June	53	34
Logan nr Logan <sup>1</sup>	113	100	Apr-July	140	113
Smith's Fork nr Border, Wyo.	104	90	Apr-Sept	- -	116
Thomas Fork nr Ut-Wyo State L	26.8	83	Apr-Sept	- -	32
Woodruff Crk nr Woodruff, Utah	15.5	101	Apr-July	21	15.4

1 - Observed flow corrected for change in storage and diversions  
 b - Average of all past record - less than 15 years

## BEAR RIVER BASIN in UTAH

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF
Last Year	Average	
BEAR RIVER	18	96
UPPER BEAR RIVER	6	106
LOWER BEAR RIVER	12	92
LOGAN RIVER	5	100

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
<u>BEAR RIVER</u>	Bear Lake	1421.0	1072.9	1069.5	944.9
	Woodruff Narrows	26.5	26.5	17.3	20.5b
<u>LITTLE BEAR</u>	Hyrum	15.3	10.2	10.2	9.9
	Porcupine	11.3	3.8	3.7	2.9b
+ - 1958-72	15 Year Average Period				

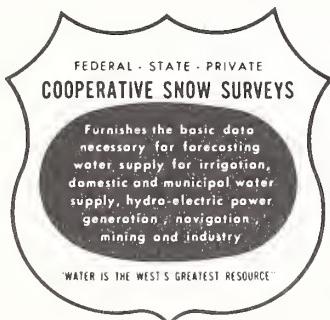
## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
To Begin March 1, 1976		

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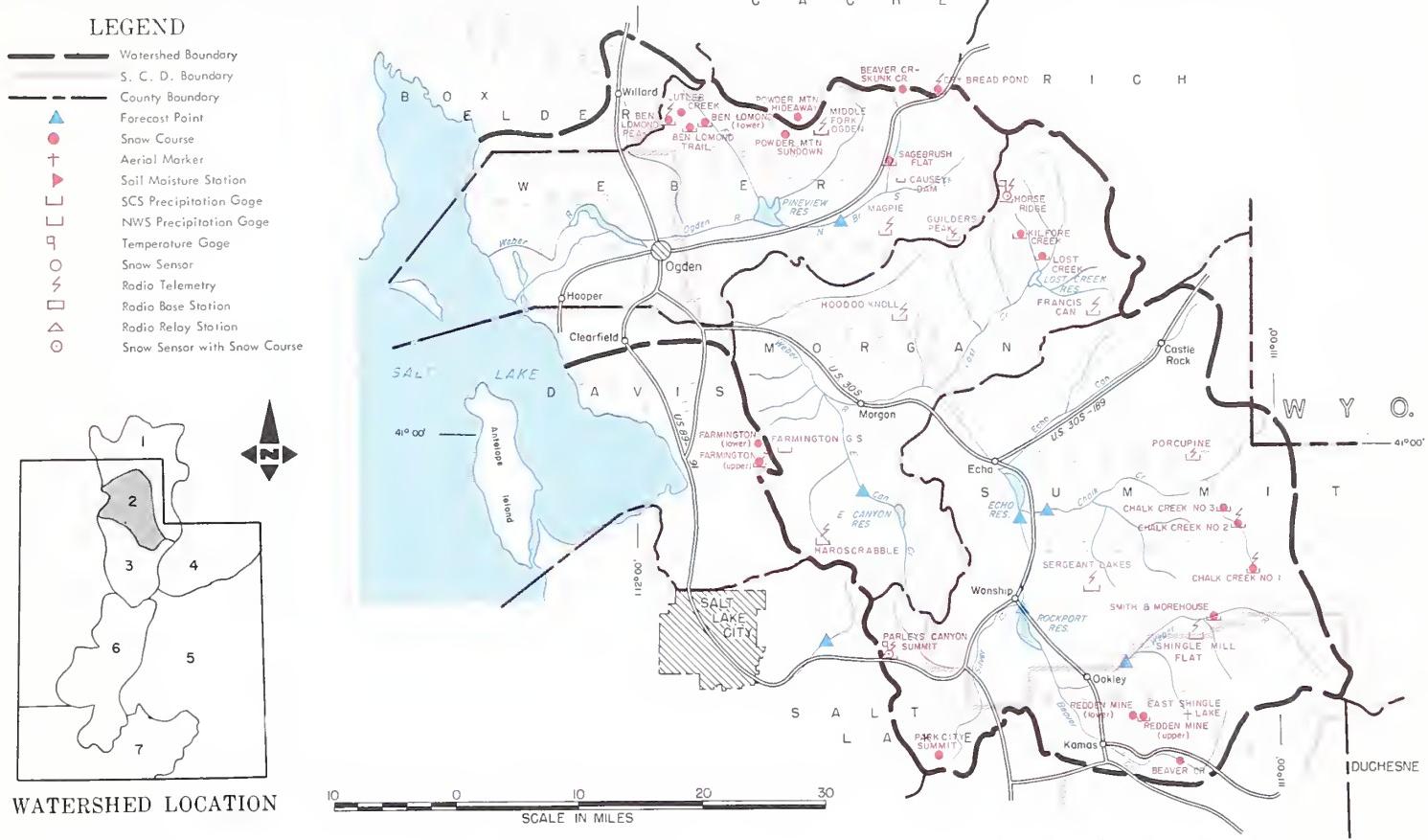
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# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



FEBRUARY 1, 1976

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 82% of the February 1 average on Ogden Watershed and 107% on the Weber. Individual measurements range from 120% of average in Farmington Canyon to 74% at Trial Lake.

PRECIPITATION at mountain stations ranged from 3 to 26% of average on Ogden Basin and from 26 to 87% of the January average on Weber Basin. The October-January totals now range from 84 to 134% of the 15 year average.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 93% of the April-June average for the Weber at Coalville to 125% of average for Hardscrabble Creek.

Water supplies are expected to be adequate for all uses.

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
<b>WEBER-OGDEN RIVERS</b>					
Chalk Creek at Coalville	35	109	Apr-June	50	32
East Canyon Creek nr Morgan	28	117	Apr-June	45	22
Hardscrabble Crk nr Porterville	18.0	125	Apr-June	- -	14.4b
Lost Creek nr Croydon, Utah	16.8	123	Apr-June	22	13.7
Pineview Reservoir Inflow <sup>2</sup>	114	104	Apr-June	176	110
South Fork Ogden nr Huntsville	61	122	Apr-June	79	50
Rockport Reservoir Inflow <sup>1</sup>	108	95	Apr-June	- -	114
Weber nr Coalville	105	93	Apr-June	- -	113
Weber nr Oakley	98	98	Apr-June	104	100
<b>JORDAN RIVER &amp; SALT LAKE</b>					
Farmington Crk nr Farmington	8.9	114	Apr-July	- -	7.8
1 - Observed flow corrected for change in storage and diversions					
2 - Inflow record as computed by U.S. Bureau of Reclamation					
b - Average of all past record - less than 15 years					

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

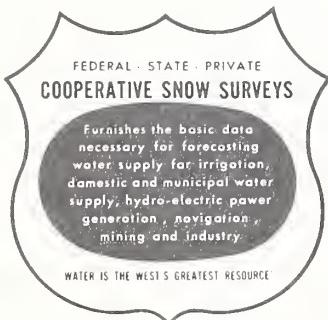
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
OGDEN	Causey	6.9	1.3	1.4	2.3b
	Pineview	110.1	50.5	55.0	40.1
WEBER	East Canyon	48.1	37.7	35.8	18.5
	Echo	73.9	42.9	62.2	39.1
	Lost Creek	20.0	13.2	12.6	12.4b
	Rockport	60.9	46.8	35.9	28.6
	Willard Bay	193.3	159.1	155.1	110.3b
+ - 1958-72	15 Year Average Period				

WEBER-OGDEN WATERSHED in UTAH  
SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	6	82	82
WEBER RIVER	7	86	107

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
To Begin March 1, 1976		

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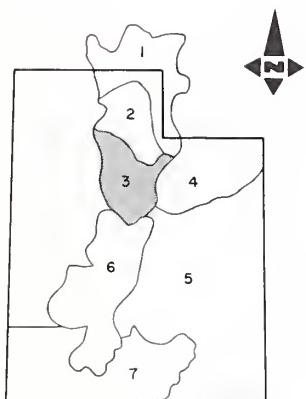
# WATER SUPPLY OUTLOOK

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

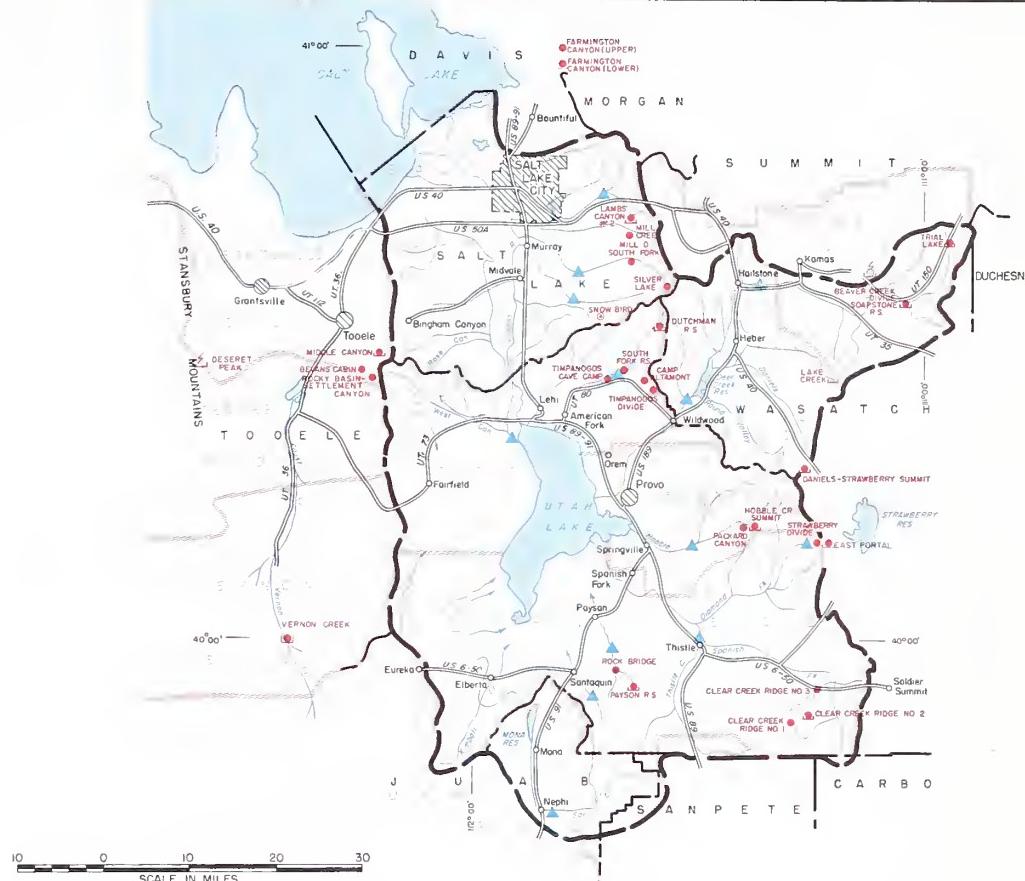
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UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

### LEGEND

- Watershed Boundary
- S. C. D. Boundary
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- Snow Sensor with Snow Course



WATERSHED LOCATION



FEBRUARY 1, 1976

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 99% of the February 1 average on Utah Lake watersheds to 118% at Middle Canyon near Tooele. Jordan River drainages above Salt Lake are about 105% of the 15 year average.

PRECIPITATION at mountain stations during January ranged from 45 to 66% of average. Accumulated amounts for the October-January period now range from 74 to 101% of the 15 year average.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average with Utah Lake now 0.24 feet above compromise.

STREAMFLOW FORECASTS range from 97% of the April-July average on Little Cottonwood to 124% on Parleys Creek. Utah Lake Inflow is expected to be 215,000 acre feet (103%) during the April-July period. Strawberry Inflow is forecast at 118% of average and Provo at Hailstone, 98% of average.

Report prepared by  
BOB L. WHALEY

U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

**UTAH LAKE, JORDAN RIVER and TOOEL VALLEY WATERSHED in UTAH**

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		Number of Courses Averaged
	FORECAST	FORECAST	THOUSAND ACRE FEET		
	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +
<b>PROVO RIVER &amp; UTAH LAKE</b>					
American Fork nr American Frk	31	107	Apr-July	45	29
Hobble Creek nr Springville	18	112	Apr-July	--	16
Provo nr Hailstone <sup>1</sup>	100	98	Apr-July	--	102
Provo below Deer Creek Dam <sup>1</sup>	114	103	Apr-July	--	111
Spanish Fork at Thistle	32	100	Apr-July	--	32
Strawberry Reservoir Inflow <sup>1</sup>	53	118	Apr-July	--	45
Utah Lake Inflow	215	103	Apr-July	--	208
Payson Creek nr Payson	6.8	108	Apr-July	--	6.3
<b>JORDAN RIVER &amp; SALT LAKE</b>					
Big Cottonwood nr SLC	37	103	Apr-July	50	36
Farmington Crk nr Farmington	8.9	114	Apr-July	--	7.8
Little Cottonwood Crk nr SLC	34	97	Apr-July	--	35
Parley's Creek nr SLC	14.5	124	Apr-July	22	11.7
<b>TOOELE VALLEY</b>					
Settlement Creek nr Tooele			Apr-July	--	2.2
Vernon Creek nr Vernon	0.8	114	Apr-July	1.1	0.7

**SUMMARY OF SNOW MEASUREMENTS**

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	10	94	99
JORDAN RIVER & SALT LAKE	4	95	105
TOOELE VALLEY	1	94	118

**RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage			Number of Courses Averaged
			This Year	Last Year	Average +	
<u>SPANISH FORK</u>	Strawberry	270.0	240.6	207.2	113.6	
<u>UTAH LAKE</u>	Utah Lake	883.9	920.9	771.8	563.0	
<u>PROVO</u>	Deer Creek	149.7	102.3	80.8	94.7	

**PEAK FLOWS**

FORECAST POINT	PEAK FLOW (SECOND FEET)		Number of Courses Averaged
	Forecast Range	Average +	
To Begin March 1, 1976			

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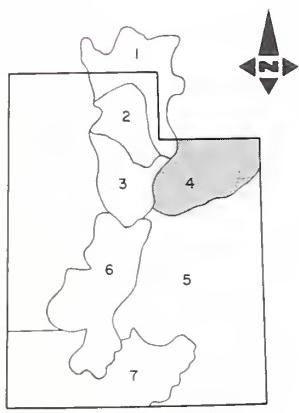
# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

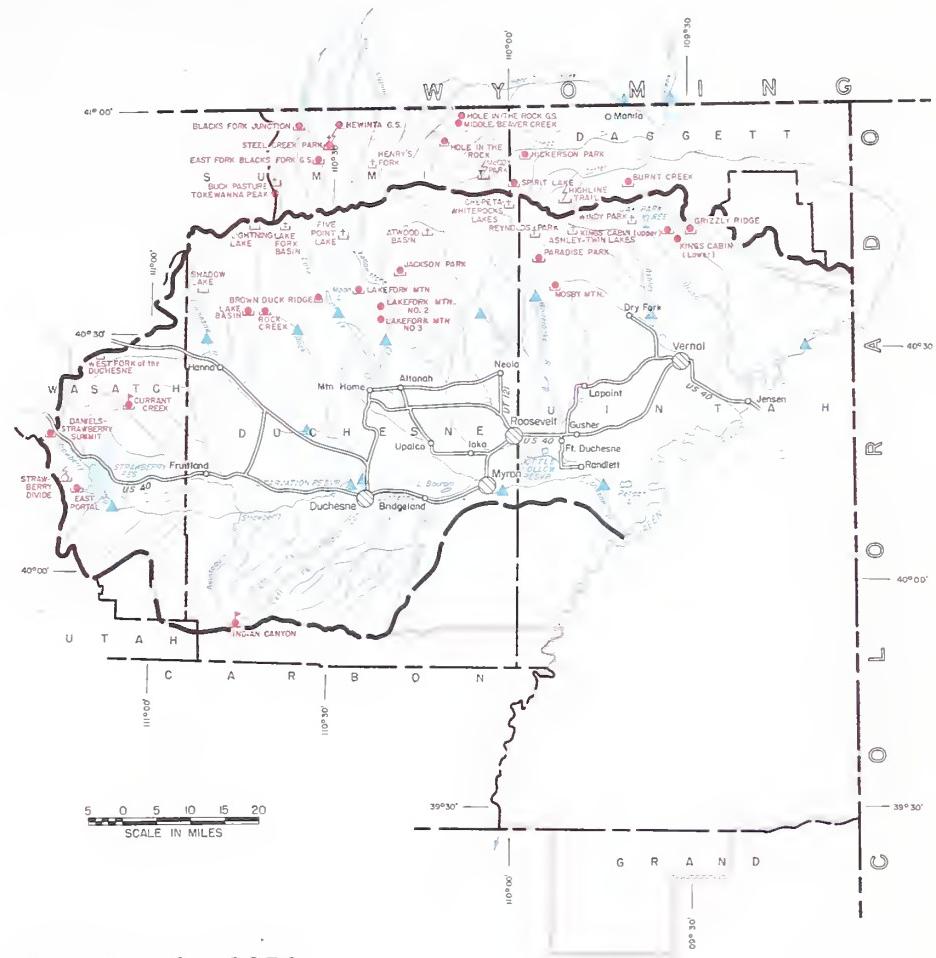
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UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

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WATERSHED LOCATION



FEBRUARY 1, 1976

### THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 56% of the February 1 average on Lakefork-Yellowstone drainages to 93% on Strawberry River. The Uintah-White Rocks Rivers are 57% of the 1958-72, 15 year average for February 1.

PRECIPITATION at mountain stations varied from 17% of the January average at Grizzly Ridge to 114% at Indian Canyon. The total accumulation, October 1 to February 1 ranges from 64 to 91% of average.

SOIL MOISTURE is below average.

RESERVOIR STORAGE is above average and better than last year at this time.

STREAMFLOW FORECASTS range from 61% of the April-July average on the Uintah to 103% for the inflow to Flaming Gorge. Ashley Creek is forecast 72% of average. Water supplies are expected to be short for those areas without reservoir storage unless much above average snow fall occurs in the next two months.

Report prepared by

BOB L. WHALEY

U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE

FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		THOUSAND ACRE FEET
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST - PERIOD	Last Year	
<b>DUCESNE RIVER</b>					
Duchesne nr Tabiona <sup>1</sup>	80	77	Apr-July	--	104
Duchesne at Duchesne <sup>1</sup>	140	76	Apr-July	--	185
Duchesne at Myton <sup>1</sup>	135	66	Apr-July	--	205
Duchesne at Randlett <sup>1</sup>	150	68	Apr-July	--	220
Lakefork below Moon Lake <sup>1</sup>	50	72	Apr-July	82	69
Rock Creek nr Mtn. Home	78	83	Apr-July	130	94
Strawberry at Duchesne	52	93	Apr-July	65	56
Uinta nr Neola	54	61	Apr-July	99	88
Whiterocks nr Whiterock	37	64	Apr-July	79	58
Yellowstone nr Altonah	47	72	Apr-July	91	65
<b>FLAMING GORGE TO DUCESNE RIVER</b>					
Ashley Creek nr Vernal	36	72	Apr-July	66	50
Blacks Fork at Millburne	90	96	Apr-July	124	94
Flaming Gorge Inflow <sup>1</sup>	1204	103	Apr-July	1635	1174
Henry's Fork at Linwood	40	89	Apr-Sept	--	45

1 - Observed flow corrected for change in storage and diversions

## UINTAH BASIN and DAGGETT SCD's in UTAH

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF
Last Year	Average	
DUCESNE RIVER - TOTAL	7	76
LAKEFORK-YELLOWSTONE CREEKS	1	51
STRAWBERRY RIVER	3	94
UINTA - WHITEROCKS RIVERS	2	61

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	Reservoir	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
ASHLEY CREEK	Steinaker	33.3	16.1	19.4b	
GREEN RIVER	Flaming Gorge	3749.0	3329.3	3177.4	1641.0
LAKE FORK	Moon Lake	35.8	18.5	7.2	16.3
STRAWBERRY	Starvation	165.3	143.7	79.4	--
UINTAH	Bottle Hollow	11.3	9.5	--	

+ - 1958-72 15 Year Average Period

b - Average of all past record - less than 15 years

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +

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"The Conservation of Water begins with the Snow Survey"

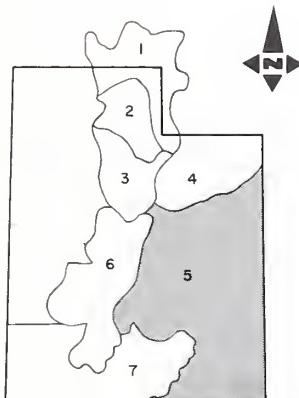
# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

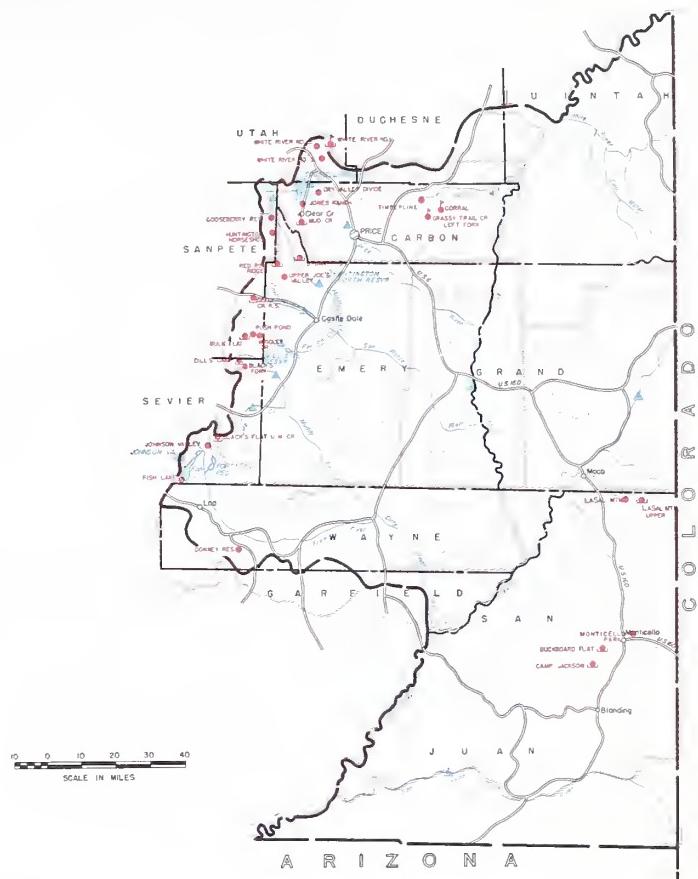
**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

### LEGEND

- — —** Watershed Boundary
- — —** S. C. D. Boundary
- — —** County Boundary
- ▲** Forecast Point
- Snow Course
- +** Aerial Marker
- ▶** Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- ⚡** Radio Telemetry
- Radio Base Station
- △** Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



FEBRUARY 1, 1976

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 96% of average on Price River and 72% of the February 1 average on San Rafael tributaries.

PRECIPITATION at mountain stations ranged from 54 to 104% of the January average. Accumulated October-January amounts ranged from 77 to 128% of average.

SOIL MOISTURE is near average under the snow pack, but below average at lower elevations.

RESERVOIR STORAGE is above average and better than last year at this time.

STREAMFLOW FORECASTS range from 75% of the April-July average on the San Juan and Colorado to 103% on Gooseberry Creek near Scofield. Water supplies are expected to be good for all uses with reservoir storage, but a little less than average for those with natural flow rights.

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
<b>PRICE RIVER</b>					
Gooseberry Crk nr Scofield	10.3	103	Apr-July	- -	10.0
Price nr Heiner	57	89	Apr-July	- -	64b
Scofield Reservoir Inflow	34	100	Apr-July	- -	34
<b>SAN RAFAEL RIVER</b>					
Cottonwood Crk nr Orangeville	42	91	Apr-July	- -	46b
Ferron Creek nr Ferron	31	89	Apr-July	46	35
Huntington Crk nr Huntington	39	87	Apr-July	62	45
<b>MUDY RIVER</b>					
Muddy Creek nr Emery	14.6	86	Apr-July	25	17.0
<b>UPPER COLORADO BASIN</b>					
Colorado nr Cisco, Utah	2125	75	Apr-July	4038	2835
Green at Green River, Utah	2574	91	Apr-July	4082	2839
Navajo Reservoir Inflow	450	75	Apr-July	- -	597
San Juan nr Bluff, Utah	651	76	Apr-July	- -	853
Mill Creek nr Moab	3.8	78	Apr-July	6.2	4.9
<b>FREMONT RIVER</b>					
Seven Mile Crk nr Fish Lake	5.5	86	Apr-July	- -	6.4b

**RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
<b>PRICE RIVER</b>	Scofield	65.8	43.7	32.2	28.8
<b>SAN RAFAEL</b>	Huntington North	3.9		3.1	2.0b
	Joe's Valley	54.6		34.8	30.8
	Mill Site	16.7	5.2	3.1	- -
<b>SAN JUAN</b>	Navajo	1696.0	1123.5	948.6	- -

**SUMMARY of SNOW MEASUREMENTS**

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	Last Year	Average
PRICE RIVER	4	95	96
SAN RAFAEL RIVER	5	67	72

**PEAK FLOWS**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
To Begin March 1, 1976		

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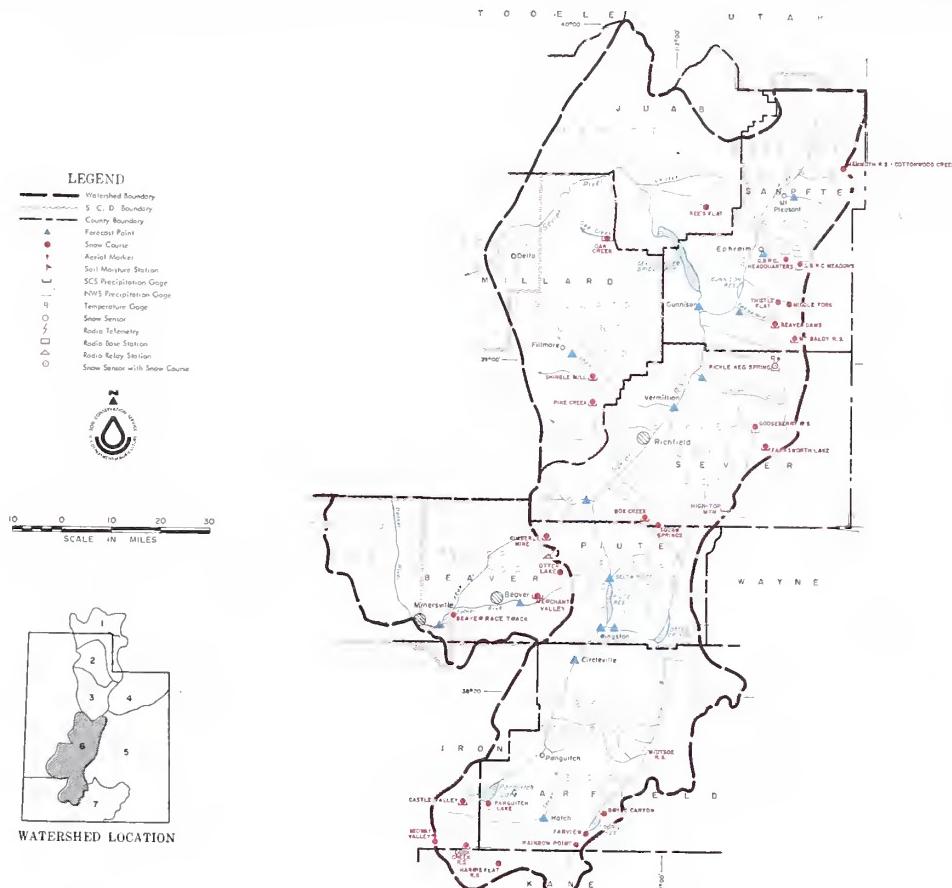
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*"The Conservation of Water begins with the Snow Survey"*

# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



FEBRUARY 1, 1976

### THE WATER SUPPLY OUTLOOK RANGES FROM POOR TO NEAR AVERAGE

SNOW COVER varies from 48% of the February 1 average on the South Fork of the Sevier, above Kingston, to 90% on the Lower Sevier. Beaver River is 59% of the February 1 average.

PRECIPITATION at mountain stations varied from 30 to 115% of the January average, but ranges from 46% on the southern end of the basin to 130% on the northern end for the October-January period.

SOIL MOISTURE ranges from well below average on the Upper Sevier to near average on the Lower Sevier under the snow pack.

RESERVOIR STORAGE is well above average in Sevier Bridge, Otter Creek, and Gunnison and near average in Piute and Minersville.

STREAMFLOW FORECASTS range from 34% of average for Minersville Inflow to 99% for Pleasant Creek. Sevier at Hatch is forecast at 54% of its April-July average, Sevier below Piute Dam 47%, and Sevier near Gunnison 82%. Salina Creek is forecast at 90% of average and the San Pitch is expected to contribute to the 75,000 to 90,000 acre feet of winter flow into Sevier Bridge. Short water supplies are expected for water users without adequate reservoir storage.

Report prepared by  
BOB L. WHALEY

**U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE**  
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	SEVIER RIVER BASIN including		BEAVER RIVER in UTAH		
	FORECAST THIS YEAR Thousand Acre Feet	Percent of Average	PAST RECORD THOUSAND ACRE FEET	FORECAST PERIOD Last Year	Average +
<b>SEVIER RIVER</b>					
Chalk Creek nr Fillmore	7.8	50	Apr-July	- -	15.5b
Clear Crk nr Sevier (abv Div)	10.6	71	Apr-July	28	15.0
East Fork Sevier nr Kingston	6.0	42	Apr-July	- -	14.4
Antimony Crk nr Antimony	3.4	47	Apr-July	- -	7.3
Inflow					
Kingston to Vermillion Dam	21	42	Apr-June	- -	50
Vermillion Dam to Gunnison	36	92	Mar-June	- -	39
Salina Creek at Salina	7.3	90	Apr-June	24	8.1b
Sevier nr Circleville	17.5	62	Apr-July	- -	28
Sevier nr Gunnison	32	82	Apr-July	55	39
Sevier at Hatch	22	54	Apr-July	35	41
Sevier nr Kingston	9.9	47	Apr-July	16	21
Sevier below Piute Dam <sup>1</sup>	15.5	47	Apr-July	- -	33
<b>SAN PITCH RIVER</b>					
Ephraim Creek nr Ephraim	13.0	94	Apr-July	- -	13.9b
Pleasant Creek nr Mt. Pleasant	7.7	99	Apr-July	- -	7.8
<b>BEAVER RIVER</b>					
Beaver nr Beaver	13.7	68	Apr-July	18.4	20
Minersville Reservoir Inflow	2.0	34	Apr-June	- -	5.8

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
<b>SEVIER RIVER</b>	Gunnison	18.2	16.8	7.2	9.8
	Otter Creek	52.5	37.7	26.5	25.4
	Piute	71.8	36.1	36.8	37.2
	Sevier Bridge	236.0	154.4	157.7	83.2
<b>BEAVER RIVER</b>	Minersville (Rky Fd)	23.3	11.6	9.6	11.3
b - Average of all past record - less than 15 years					
1 - Observed flow corrected for change in storage and diversions					
<b>FORECAST DATE of LOW FLOW VALUES</b>					
FORECAST POINT	Low Flow Value Second Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value		
Clear Crk nr Sevier-above Div.	5	July 18	July 28		
Salina Crk at Salina	25	June 6	June 10		
Sevier at Circleville	90	June 2	June 24		
Sevier at Hatch (upper)	100	June 11	July 10		

BEAVER RIVER in UTAH  
SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER			
East Fork Sevier	4	77	56
South Fork Sevier	3	72	48
LOWER SEVIER RIVER	5	80	90
BEAVER RIVER	2	73	59

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
To begin March 1, 1976		

## PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period +	Forecast Period
<b>SEVIER RIVER</b>			
Below Vermillion Dam	50	55	April-Sept.
Circle Valley	54	65	April-Sept.
Panguitch Valley	78	82	April-Sept.
Sevier Valley	20	38	April-Sept.

Inflow to Sevier Bridge Reservoir October 1 to March 31 is expected to be 75,000 to 90,000 acre feet.

Below Vermillion - Flow above 360 second feet should total 1,300-1,800 acre feet.

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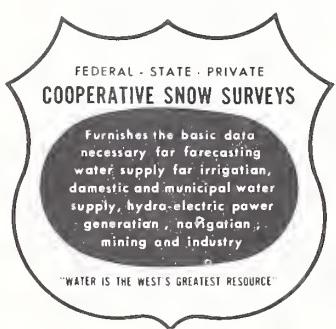
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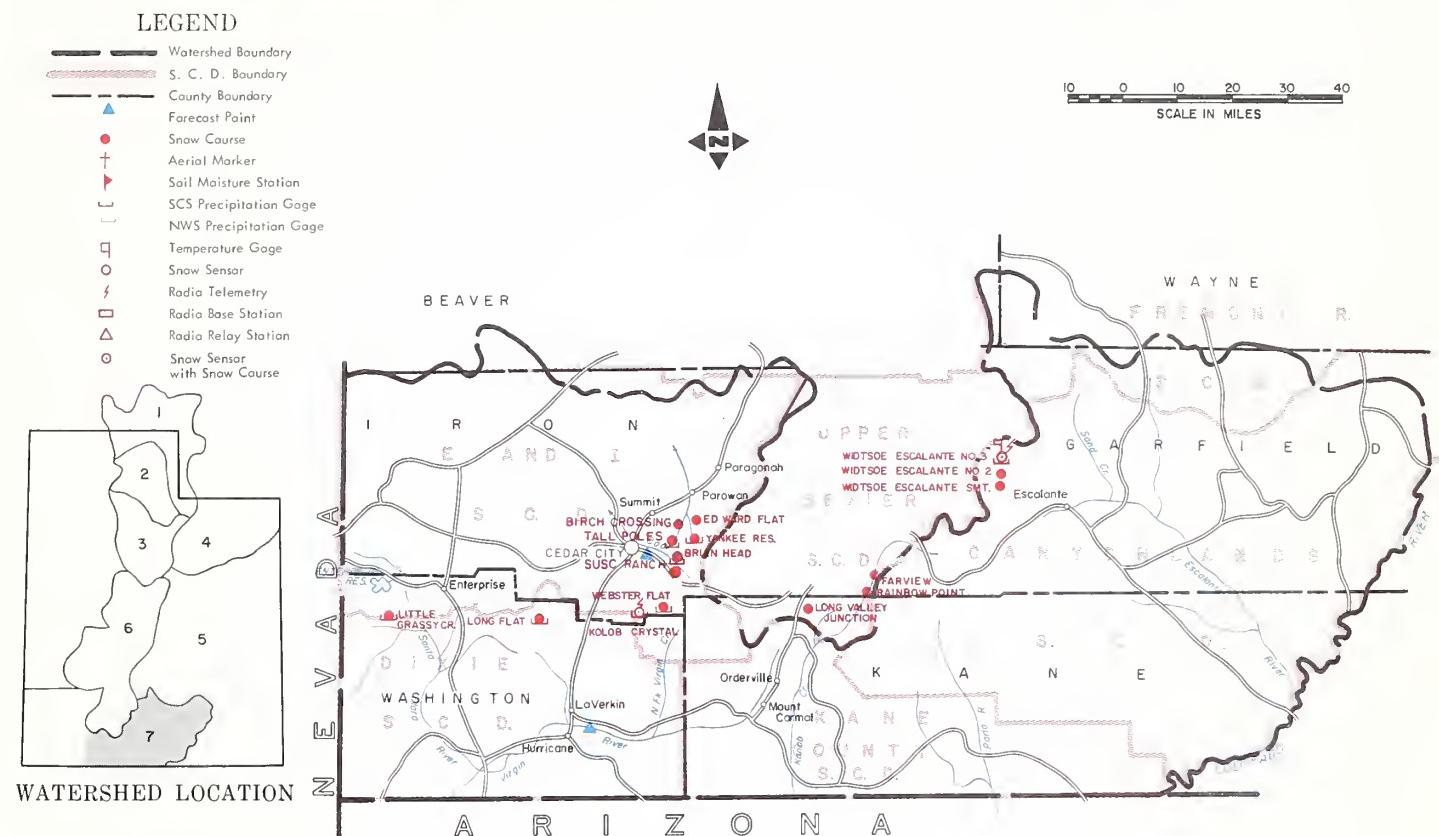


"The Conservation of Water begins with the Snow Survey"

# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER is only 46% of average on the Virgin River and 48% of the February 1 average on Coal Creek.

PRECIPITATION at mountain stations, such as Webster Flat was only about 25% of the January average and has totaled only 57% of average for the October-January period.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is 20,023,000 acre feet in Lake Powell or 2,768,000 acre feet more than a year ago. No reports are available for other reservoirs of the area.

STREAMFLOW FORECASTS vary from 56% of the April-June average on the Virgin and Santa Clara to 81% of April-July average for the Inflow to Lake Powell. Coal Creek is forecast at 60% of its April-July average. Short water supplies are expected in this area unless much above average snow fall occurs in the next two months.

## STREAMFLOW FORECASTS

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

## SUMMARY of SNOW MEASUREMENTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
<b>VIRGIN RIVER</b>					
Virgin nr Virgin Santa Clara nr Pine Valley	27 2.0	56 56	Apr-June Apr-June	46 4.4	48b 3.6
<b>COAL CREEK</b>					
Coal Creek nr Cedar City	9.7	60	Apr-July	16.1	16.1
<b>UPPER COLORADO</b>					
Lake Powell Inflow	5596	81	Apr-July	10407	6881

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	20023.0 470.4	17255.0 418.1	8401b --

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	2	69	48
VIRGIN RIVER	2	65	46

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Snow melt peak flows are expected to be well below average this season.		

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## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<u>WEBER RIVER (continued)</u>											
Redden Mine (upper)											
Smith & Morehouse	1/21	Discontinued 30	8.4	12.7	--	1/27	2.48	--	15.31	--	--
				8.2	8.6	1/21	.96	3.26	12.44	11.62	107
<u>PROVO RIVER &amp; UTAH LAKE</u>											
Beaver Creek Divide	1/22	27	7.5	8.6	--						
Camp Altamont	1/30	28	9.0	9.6	9.9						
Clear Creek Ridge #1	1/28	35	10.6	12.0	--						
Clear Creek Ridge #2	1/28	33	8.3	8.6	8.3	1/28	1.40	--	9.30	--	--
Clear Creek Ridge #3	1/28	22	5.2	5.4	4.9						
Dutchman R.S.	1/30	32	9.8	13.5	--	1/30	0.80	--	4.45	--	--
Hobble Creek Summit	1/29	26	8.1	10.0	--	1/29	1.00	--	9.50	--	--
Packard Canyon	1/29	24	6.8	7.6	--						
Payson R.S.	1/27	41	13.1	10.0	10.6	1/27	1.70	--	13.55	--	--
Rock Bridge	1/27	32	9.8	7.9	7.3						
Soapstone	1/27	31	6.8	8.5	8.2	1/27	2.08	3.13	10.30	10.19	101
South Fork R.S.	1/30	18	4.9	8.8	4.2						
Timpanogos Cave Camp	1/30	11	2.5	4.2	1.7						
Timpanogos Divide	1/30	42	14.4	13.2	15.7	1/29	2.40	4.73	14.80	16.72	88
Trial Lake	1/27	45	11.5	14.0	15.5	1/27	2.76	4.85	13.36	18.11	74
<u>JORDAN RIVER &amp; SALT LAKE</u>											
Deseret Peak*						Data No:	Available - USU				
Lambs Canyon	1/29	40	11.0	12.2	9.7						
Lambs Canyon #2	1/29	38	11.5	12.6	--	1/29	1.95	--	11.04	--	--
Middle Canyon - Tooele	1/31	30	9.4	10.0	8.0	1/31	2.68	--	9.73	--	--
Mill Creek	1/29	47	14.0	14.7	--						
Mill D South Fork	1/30	38	12.0	15.2	12.5						
Mt. Dell Dam											
Silver Lake (Brighton)	1/30	48	15.6	13.3	15.4	1/31	.98	2.16	8.30	8.72	95
Vernon Creek	1/31	19	5.1	5.9	--	1/31	1.00	--	6.66	--	--
<u>UPPER SEVIER RIVER (South of Richfield, Utah)</u>											
Box Creek	1/27	20	5.0	--	--	1/27	1.39	--	5.88	--	--
Bryce Canyon	1/30	7	1.5	1.3	2.8						
Duck Creek R.S.	1/28	15	4.1	5.3	8.0	1/28	0.30e	2.68	5.10e	11.05	46
Farview	2/2	14	3.6	--	--						
Harris Flat R.S.	1/28	8	2.7	2.3	5.0						
Kimberly Mine	1/29	28	7.0	5.8	--	1/29	1.92	2.88b	9.53	10.34b	92
Midway Valley	1/28	18	5.7	9.8	12.9	1/28	.50	--	5.60	--	--
Panguitch Lake	1/28	0	0.0	--	--	1/28	0.49	--	2.99	--	--
Rainbow Point	2/2	8	2.3	--	--						
Squaw Springs	1/27	10	2.1	--	--						
Widtsoe Escalante Summit	1/30	8	2.2	2.6	4.0						
Widtsoe Escalante #2	1/30	14	2.8	4.7	5.4						
Widtsoe Escalante #3	1/30	19	4.1	5.1	6.6b	1/30	0.64	1.28	4.63	7.84	59
Widtsoe R.S.						1/30	0.26	--	1.80	--	--
Castle Valley	1/28	16	4.3	--	--	1/28	0.78	--	5.09	--	--
<u>LOWER SEVIER RIVER (Including San Pitch)</u>											
Beaver Dams	1/27	22	5.5	--	--	1/27	2.25	--	6.85	--	--
Farnsworth Lake	1/26	35	9.7	11.9	10.5	1/26	3.00	2.61	9.65	10.83	89
G.B.R.C. Headquarters	1/30	29	8.0	10.0	8.8	1/30	2.00	--	10.42	--	--
G.B.R.C. Majors						1/30	1.05	--	5.47	--	--
G.B.R.C. Meadows	1/30	41	12.3	16.3	13.8	1/30	2.90	--	11.49	--	--
G.B.R.C. Oaks						1/30	1.15	--	6.97	--	--
Gooseberry R.S.	1/26	26	6.2	6.9	6.6	1/26	2.00	--	7.30	--	--
Mammoth R.S. - Cottonwood Cr	1/29	38	11.1	13.9	12.7b	1/29	2.75	3.50b	15.10	11.59b	130
Mt. Baldy	1/27	38	10.2	--	--	1/27	2.70	--	8.15	--	--
Shingle Mill	1/29	24	6.8	5.8	--	1/29	0.56	1.83b	8.42	9.02b	93
Picklekeg Springs	1/26	29	6.8	--	--						
Pine Creek	1/29	26	7.6	0 0	0 0	1/29	--	--	12.04	--	--
<u>BEAVER RIVER</u>											
Beaver Canyon Power House											
Beaver Race Track	1/30	0	0.0	0.2	--	1/31	0.61	1.04	3.49	5.16	68
Big Flat	1/30	22	5.7	8.2	9.8	1/30	0.97	--	6.85	--	--
Merchant Valley (alternate)	1/30	20	4.3	5.7	--	1/30	1.88	--	6.43	--	--
Otter Lake	1/30	20	4.7	6.1	7.8						

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (inches)					
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	2/2	42	12.8	12.5	13.3a	1/26	1.25	- -	6.61	- -	- -
Burts-Miller Ranch	1/26	16	3.3	3.9	- -						
CCC Camp	1/29	30	7.9	8.3	8.2	1/26	2.70	- -	12.38	- -	- -
Hayden Fork	1/26	33	8.3	10.8	- -						
Kelly R.S.	2/2	38	10.4	9.6	11.7a						
LaBarge G.S.	1/31	65	21.5	18.5	- -						
Piney-LaBarge #2	1/31	49	15.0	15.2	15.8a						
Poison Meadows	1/31	66	20.8	17.3	20.6						
Salt River Summit	1/29	39	10.4	11.0	- -	1/29	3.12	3.77	11.62	10.81	107
Snyder Basin	1/31	42	11.5	10.9	11.3						
Stillwater Camp	1/26	26	5.5	7.2	- -	1/26	1.54	- -	7.75	- -	- -
LOWER BEAR RIVER (Below Harer, Idaho)											
Christensen Ranch	1/26	26	6.1	6.7	5.9						
Clarkston Mountain*						Data Not	Available - USU				
Cub River R.S.	1/26	29	7.7	8.2	5.8						
Dry Basin	1/26	56	16.7	18.1	20.9						
Dry Creek Flat			Not Scheduled	6.7	5.3						
Emigrant Summit	1/26	55	15.0	16.5	17.0a						
Emigration Canyon	1/26	25	6.9	7.8	7.8a						
Franklin Basin*	1/26	56	17.6	17.5	- -	Data Not	Available - USU				
Garden City Summit	1/26	38	10.7	8.2	11.9	1/26	2.34	3.86	13.18	12.68	104
Horseshoe Basin	1/26	48	14.7	16.7	17.3a						
Klondike Narrows*	1/26	42	12.3	13.7	13.3	Data Not	Available - USU				
Liberty Springs	1/26	74	24.4	23.7	22.6						
Little Bear (lower)	1/27	24	6.6	6.3	- -						
Little Bear (upper)*	1/27	26	7.6	7.7	- -						
Monte Cristo R.S.	1/27	40	12.8	15.3	17.0b	1/27	1.27	9.56b	14.30	16.91	85
Oxford Mountain			Not Scheduled	6.9	6.9a						
Slug Creek Divide	1/27	41	12.0	11.6	11.5a						
Steep Hollow #1	1/26	74	24.1	23.0	25.4b						
Steep Hollow #2	1/26	55	16.7	18.0	18.8b						
Strawberry Creek	1/27	25	6.6	7.8	7.2						
Strawberry Mink Divide	1/26	42	12.3	14.7	14.4						
Tony Grove Lake*	1/26	73	23.9	- -	- -	Data Not	Available - USU				
Tony Grove R.S.	1/26	29	7.5	8.3	8.8	Data Not	Available - USU				
Willow Flat	1/26	39	10.7	11.9	10.5	1/26	3.45	- -	13.87	- -	- -
OGDEN RIVER											
Beaver Creek-Skunk Creek	1/27	16	6.6	9.3	8.0						
Ben Lomond (lower)	1/27	31	8.7	9.2	10.0	1/26	1.40	5.45	14.40	16.81	86
Ben Lomond Peak*	1/27	59	19.3	21.6	24.0b	Data Not	Available - USU				
Causey Dam						1/26	.10	3.05	8.05	9.07	89
Cutler Creek	1/27	50	15.5	17.7	18.7b	Data Not	Available - USU				
Deer Springs*											
Dry Bread Pond	1/27	29	9.4	14.2	11.3	1/27	.88	6.43	11.70	13.30	88
Francis Canyon*						Data Not	Available - USU				
Guilders Peak*						Data Not	Available - USU				
Magpie Flat*						Data Not	Available - USU				
Middle Fork Ogden*						Data Not	Available - USU				
Sagebrush Flat	1/27	13	2.8	3.8	3.7	1/27	.26	4.47b	7.83	9.33	84
WEBER RIVER											
Beaver Creek R.S.	1/27	23	5.4	6.1	5.7						
Chalk Creek #1	1/26	46	12.7	12.6	- -						
Chalk Creek #2*	1/26	38	9.5	8.5	8.8						
Chalk Creek #3	1/26	22	4.8	5.0	5.1	1/26	1.39	5.35	9.81	7.31	134
Farmington Canyon (upper)***	1/27	62	19.6	24.1	17.5b						
Farmington Canyon (lower)	1/27	51	15.8	20.2	13.2b	1/27	2.09	- -	17.34	- -	- -
Farmington G.S.						1/27	4.37	- -	14.17	- -	- -
Horse Ridge**	1/27	39	10.4	13.9	- -	1/27	1.32	- -	13.54e	- -	- -
Kilfore Creek	1/27	31	7.8	9.0	- -						
Lost Creek Reservoir	1/27	12	3.1	3.5	- -	1/27	.35	- -	4.98e	- -	- -
Parleys Canyon Summit	1/29	44	12.2	15.5	11.7	1/29	3.35	3.86	15.67	17.76	88
Park City Summit			Not Measured								
Redden Mine (lower)	1/27	35	9.5	9.9	- -						

## SNOW

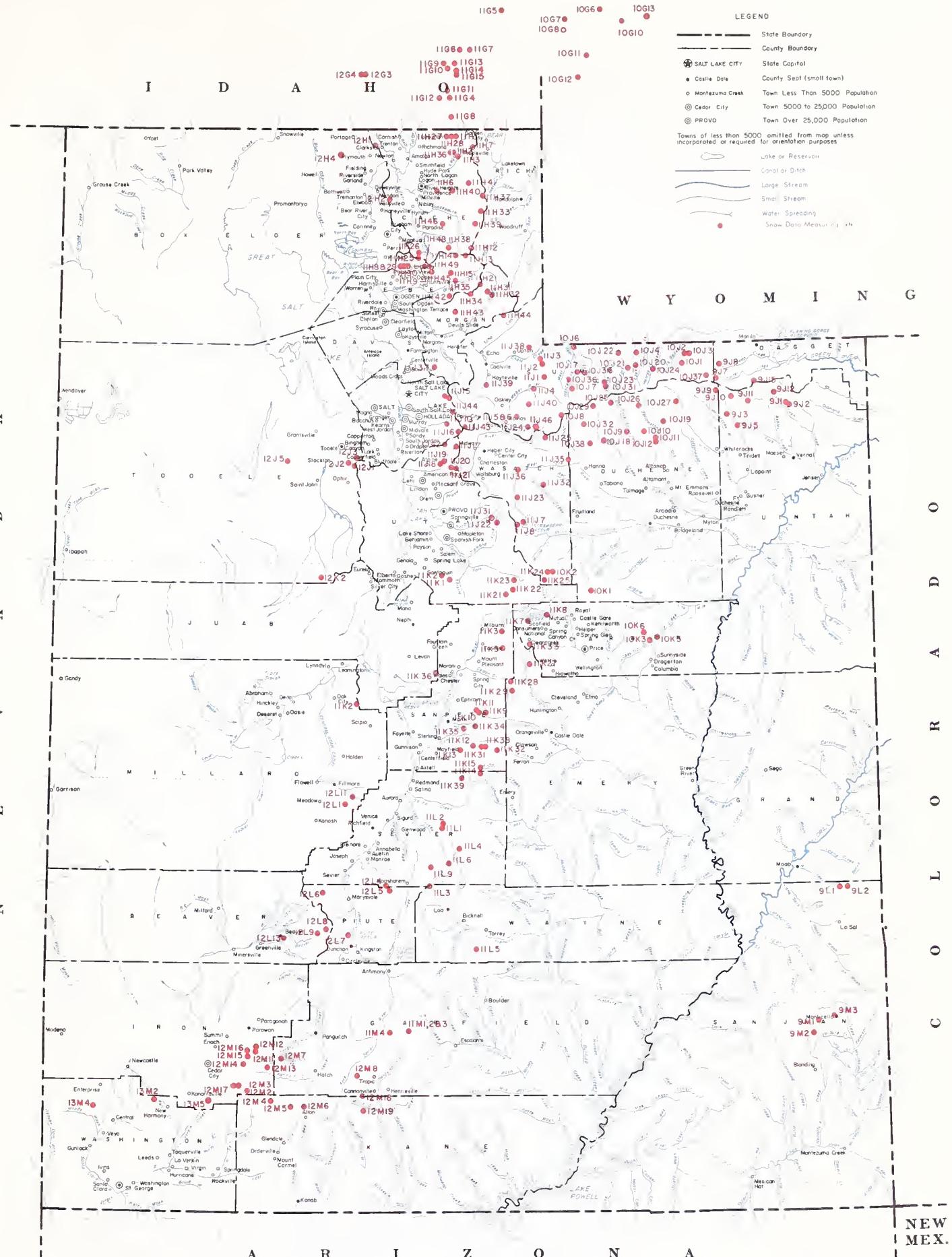
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
				Last Year	Average +
<u>PAROWAN CREEK</u>					
Birch Crossing	1/28	14	4.0	2.7	- -
Brian Head	1/28	33	9.5	10.6	- -
Ed Ward Flat	1/28	19	4.5	- -	- -
Tall Poles	1/28	23	6.1	6.3	- -
Yankee Reservoir	1/28	20	4.7	- -	- -
<u>COAL CREEK</u>					
SUSC Ranch	1/28	8	3.0	2.8	5.1a
<u>COLORADO RIVER BASIN</u>					
<u>UPPER GREEN RIVER - UTAH</u>					
Burnt Creek	1/29	17	3.8	- -	- -
Blacks Fork Jct.	1/26	24	4.7	6.1	- -
East Fork Blacks Fork G.S.	1/26	23	4.5	6.8	- -
Grizzly Ridge	1/29	24	5.8	5.1	- -
Hewinta G.S.	1/26	23	4.6	5.7	- -
Hickerson Park	1/26	23	4.9	- -	- -
Highline Trail*	1/26	32	6.9	- -	- -
Kings Cabin (lower)	1/26	20	4.3	- -	- -
Kings Cabin (upper)	1/26	24	4.6	- -	- -
Spirit Lake	1/26	30	6.6	- -	- -
Steel Creek Park	1/26	42	10.0	10.1	- -
Trout Creek	1/26	28	5.8	- -	- -
<u>DUCHESTER RIVER</u>					
Brown Duck Ridge	1/27	37	8.9	- -	- -
Currant Creek	1/29	22	5.7	6.9	- -
Daniels-Strawberry Summit	1/29	30	8.3	8.5	9.6
East Portal	1/31	30	6.4	7.3	6.8
Indian Canyon	1/29	20	4.3	8.2	7.8
Lake Basin	1/27	42	11.7	- -	- -
Lakefork Mountain	1/27	19	3.8	7.4	6.8
Lakefork Mountain #2			Not Measured	4.9	5.0
Lakefork Mountain #3			Not Measured	3.2	4.3
Jackson Park	1/27	26	5.4	8.9	- -
Mosby Mountain	1/27	17	3.6	5.2	6.6
Paradise Park	1/27	19	4.7	8.4	8.0
Rock Creek Ranch	1/27	13	3.3	- -	- -
Strawberry Divide	1/31	42	11.1	11.6	11.4
<u>PRICE RIVER</u>					
Dry Valley Divide-Alternate	1/29	24	5.5	- -	- -
Dry Valley Divide	1/29	25	5.9	6.2	6.5
Gooseberry Reservoir	1/29	35	10.5	12.9	10.9
Jones Ranch	1/29	20	5.1	3.9	4.3
Mud Creek #2	1/29	28	7.1	7.1	8.2
White River #1	1/30	30	7.7	7.9	- -
White River #2	1/30	26	6.3	5.9	- -
White River #3	1/30	20	4.7	5.8	- -
<u>SAN RAFAEL RIVER</u>					
Buck Flat	1/30	25	6.8	10.4	9.2b
Huntington-Horseshoe	1/29	38	12.6	- -	- -
Orange Olsen	1/29	0	0.0	1.6	- -
Red Pine Ridge	1/29	31	8.4	10.8	9.8b
Rush Pond	1/30	21	4.6	8.8	8.2b
Seeley Creek	1/30	21	6.0	- -	- -
Upper Joe's Valley	1/29	19	4.5	6.7	5.7b
Wrigley Creek	1/30	19	4.3	5.9	6.6
<u>VIRGIN RIVER</u>					
Kolob Crystal	1/28	23	6.9	10.6	- -
Long Valley Junction	1/28	0	0.0	0.4	2.6
Webster Flat	1/28	16	5.6	8.2	9.6

## PRECIPITATION (Inches)

DATE OF READING	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
	Month's Precipitation	Average +	This Year	Average +	Percent of Average	
1/28	1.20	5.76a	6.00	12.22a	49	
1/28	1.40	- -	6.05	- -	- -	

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
MUDGY RIVER											
Blacks Fork	1/27	22	5.2	--	--	1/27	2.15	--	6.30	--	--
Dills Camp	1/27	20	5.0	--	--						
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy	1/28	0	0.0	--	--	1/28	0.15	--	2.80	--	--
Long Flat	1/28	10	3.0	--	--	1/28	0.45	--	3.52	--	--
SOUTHEASTERN UTAH DRAINAGES											
LaSal Mountain	1/29	20	4.9	--	--	1/29	0.85	--	7.25	--	--
LaSal Mountain (upper)	1/29	28	7.1	--	--						
Monticello City Park	1/30	0	0.0	--	--						
Buckboard Flat			Data Delayed								
Camp Jackson			Data Delayed								
a - Partly Estimated											
b - Average of all past record-less than 15 years											
+ - 1958-72 Average											
* - USU-SCS Cooperative Reading											
** - SCS Radio Reading											



## SNOW COURSES AND RELATED DATA MEASURING SITES

1976

20 0 20 40  
SCALE 1:1,000,000  
ALBERS EQUAL AREA PROJECTION



# INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

## GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	
10G11	W	UPPER BEAR RIVER (above Hager, Idaho)	7	27N	117W	B,700	11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500	10J31P	Tokeomega Peak	23	1N	11E	9,800	
10L6P	W	Big Park	19	3N	10E	7,900	11J2P	U	Timpanogos Divide	33	4S	3E	8,140	9J12P	Windy Park	15	1S	15	9,400	
10L7P	W	Burts-Miller Ranch	9	29N	118W	7,500	10J8P	U	Trial Lake	5	25	9E	9,800	10J27P	DUCHENE RIVER	1	15	15	10,250	
10L3Pb	W	CCC Camp #x	11	1N	9E	10,000	11J	U	JORDAN RIVER & GREAT SALT LAKE	25	25	4W	8,000	10J9P	Brown Duck Ridge	21	2S	2N	10,250	
10L7P	W	Gold Hill	10	25	1N	9E	9,400	10J12P	U	Beaver Creek Divide	24	4S	4W	6,450	9J19P	Chepa-White Rock Lakes	3	1S	15	10,250
10G12	W	Hayden Fork	13	26N	118W	8,200	11J46Sp	U	Bevons' Cabin	25	4S	4W	11,132P	11J23P	Current Creek	31	1S	15	10,250	
10G12	W	Kelly Ranch Station	13	30N	116W	9,000	11J18P	U	Desert Park	21	1S	3E	9,250	11J7P	Daniels-Strawberry Summit	20	2S	2N	9,000	
10G17S	W	LaBerge Guard Station x	7	34N	20E	9,300	11J2P	U	Lamb's Canyon #2	8	4S	3W	7,400	11J7P	East Portal	36	1S	15	7,500	
10L35P	W	Lily Lake	34	28N	14W	8,960	11J4P	U	Middle Canyon	32	1S	3W	7,000	10J26P	Five Point Lake	28	4N	5W	11,000	
11H12P	W	Monte Cristo R.S.	4	28N	14W	8,820	11J2P	U	Mill Creek	18	25	3E	6,500	10J1P	Indian Canyon	115	10E	9E	9,100	
10L7P	W	Piney LaBerges x	19	30N	116W	8,500	11J44	U	Mill D South Fork	110	25	3E	7,400	10J19P	Jackson Park	23	3N	4W	11,300	
10G6P	W	Poison LaBerges x	29	28N	118W	8,200	11J10	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900	10J19P	Lake Basin	23	35	8W	10,800	
10G6P	W	Salt River Summit x	32	10N	12E	8,400	11J1P	U	Silver Lake (Brighton)	35	25	3E	8,725	10J38P	Lakefork Basin	13	4N	7W	11,100	
10G13MP	W	Snyder Basin x	15	28N	115W	8,400	11J16P	U	Snow Bird (Cado Valley)	18	35	3E	10,000	10J10P	Lakefork Mountain #2	10	200	5W	8,900	
10J17P	U	Stillwater Camp	32	10N	10E	8,550	11J2P	U	Vernon Creek	21	10S	5W	7,500	10J29P	Lakefork Mountain #3	17	2N	4W	10,900	
<b>LOWER BEAR RIVER (below Hager, Idaho)</b>																				
11H37P	U	Bug Lake	18	11N	5E	7,950	11J4P	U	UPPER SEVIER RIVER (South of Richfield, Utah)	33	26S	2W	9,800	10J12P	Lightning Lake	24	4N	8W	10,950	
11H36P	U	Bunchgrass	5	13N	3E	8,400	11J4P	U	Box Creek	36	36S	4W	8,000	10J19P	Moby Mountain	27	25	2S	9,500	
11G1P	U	Christensen Ranch	27	13S	41E	5,600	12L4P	U	Bryce Canyon	23	36S	8W	7,900	10J10P	Paradise Park	7	3N	1E	10,100	
11H38P	U	Cinnamon Creek	5	14N	3E	7,300	12M8	U	Costie Valley	11	38S	2W	8,700	10J18P	Rock Creek	21	2N	5W	7,900	
12H1P	U	Clarkton Mountain	29	14N	2W	6,300	12M13P	U	Duck Creek R.S.	24	37S	4W	8,200	10J32P	Shadow Lake	28	3N	8W	10,150	
12H1P	U	Cub River Ranger Station	5	15S	41E	5,400	12M4P	U	Farview	24	38S	7W	8,200	11J8P	Strawberry Divide	34	3S	35	8,000	
12H1P	U	Curtis Creek	12	10N	4E	8,450	12M18	U	Harris Flat	36	25S	1E	7,700	11J35P	West Fork of the Duchesne	22	1N	19E	10,250	
12H1P	U	Deer Springs	34	10N	4E	8,400	12M5	U	High-Top Mountain	11	27S	5W	9,300	10K34P	PRICE RIVER	32	13S	14E	8,200	
12H1P	U	Dry Basin	30	13S	37E	6,350	12L6P	U	Kimberly Mine	11	27S	5W	9,800	10K34P	Corral	32	13S	14E	8,200	
12G4P	U	Dry Creek Flat	31	13S	42E	7,350	12M29A	U	Midway Valley	4	26S	3W	9,800	10K34P	Dry Valley Divide	25	13S	14E	8,200	
12G4P	U	Emigrant Summit	24	12S	42E	6,500	12M29A	U	Pangnitch Lake	4	26S	3W	9,800	11K4P	Gosberry Reservoir	145	13S	14E	8,200	
11G6P	U	Ensign Creek (mouth)	14	13N	41E	9,000	12M19	U	Rainbow Point	29	28S	4W	9,100	11K34P	Grassy Park-Creek-Left Fork	2	13S	14E	8,200	
11G6P	U	Franklin Basin	34	8S	35E	9,000	12M19	U	Squaw Spring	3	27S	2W	9,300	11K7P	Jones Ranch	32	12S	13E	7,600	
11H38P	U	George Peak	4	13N	41W	9,000	11M4P	U	Watson R.S.	22	34S	2W	7,600	11K7P	Mud Creek	4	14S	7E	8,300	
11H38P	U	Hell Canyon	24	11N	2W	6,400	11M4P	U	White Bird	10K6	10S	8W	9,300	10K24P	Timberline	28	13S	14E	9,100	
11H38P	U	Herd Hollow	4	13N	3E	7,000	11M5	U	Willow Flat	11	27S	5W	9,300	11K25	White River #1	11	10S	8E	7,600	
11H38P	U	Horseshoe Basin	31	13S	42E	8,000	11K13P	U	Widgeron Lake	27	33	3E	9,800	11K25	White River #2	30	10S	8E	7,400	
11H38P	U	Klondike Narrows	15	12S	42E	7,400	11K13P	U	Widgeron Lake	21	17S	4E	8,700	11K25	White River #3	30	10S	8E	7,400	
11H38P	U	Liberty Springs	7	13S	42E	8,240	11L1P	U	G.B.R.C. Headquarters	26	27	2E	10,000	11K25	SAN RAFAEL RIVER	25	13S	14E	8,200	
11H26	U	Little Bear (lower)	15	22N	1E	6,000	11L1P	U	G.B.R.C. Meadows	11	27S	2E	8,000	11K25	Buck Flat	23	19S	4E	9,400	
11H26	U	Little Bear (upper)	22	22N	1E	6,550	11L1P	U	G.B.R.C. Meadows	22	27S	2E	8,000	11K34P	Huntington-Horsehoe	12	14S	5E	9,800	
11H26	U	Mt. Logan	3	21N	2E	9,000	11L2P	U	Gosberry R.S.	13	13S	2E	8,000	11K34P	Rush Pond	24	25S	2E	8,800	
11H26	U	Oxford Mountain	32	13S	37E	6,800	11K34P	U	Mammooth R.S.-Cottonwood Creek	19	19S	4E	9,500	11K34P	Seelye Creek	8	9S	9W	10,000	
12G3	U	Paradise Canyon	36	10N	2E	6,500	11K34P	U	Middle Fork	10	23S	3W	7,680	11K28P	Upper Joe's Valley	21	16S	6E	7,950	
11H46P	U	Slug Creek Divide	15	10S	44E	7,225	11K2P	U	Mr. Body R.S.	9	17S	3W	7,680	10K2M9P	Wrigley Creek	27	19S	5E	9,000	
11G5	U	Steep Hollow #1	9	14N	3E	7,700	11K2P	U	Pickle Key Springs	4	21S	3E	9,600	11K2P	MUDDY RIVER	34	11S	14E	9,200	
11H27	U	Strawberry Creek	9	13S	41E	5,800	11K35P	U	Pine Creek	24	22S	4W	8,700	11K2P	Black's Fork	27	20S	4E	9,200	
11H28	U	Tony Grove Mink Divide	14	13S	41E	6,800	11K35P	U	Rees' Mill	20	35S	8W	8,700	11K2P	Camp Jack	33	22S	2E	9,000	
11G10	U	Tony Grove Ranger Station	11	13N	3E	7,400	11K35P	U	Stringle Mill	5	22S	3W	6,200	11K2P	LoSal Mountain (upper)	5	27S	24E	8,800	
11H2	U	Tripara Springs	29	12N	4E	6,250	11K35P	U	Thistle Flat	23	18S	3E	8,500	11K34P	Monicello Park	25	33S	23E	7,550	
11H41P	U	Willow Flat	2	15S	41E	6,100	12L13	U	BEAVER RIVER	23	29S	7W	6,020	11K14	ESCALANTE RIVER	34	20S	4E	9,200	
11G4P	U	OGDEN RIVER	22	BN	3E	7,150	12L7P	U	Big Flat	18	29S	4W	6,020	11K14	FREMONT RIVER	27	20S	4E	9,200	
11H14M	U	Beaver Creek-Skunk Creek	3	17N	1W	8,000	12L9P	U	Merchant's Valley	8	9S	5W	8,200	11L4P	Block's Flat-U.M. Creek	33	24S	3E	9,250	
11H14P	U	Ben Lomond (lower)	1	17N	1W	6,000	12M17	U	Other	1	29S	5W	9,300	11L4P	Dankey Reservoir	33	30S	4E	9,300	
11H14P	U	Ben Lomond Trail	2	17N	1W	6,000	12M17	U	Parowan Creek	1	29S	5W	9,300	11L5P	Fish Lake	35	26S	2E	8,800	
11H35P	U	Causey Dam	34	7N	3E	5,500	12M16	U	Birch Crossing	23	35S	9W	8,100	11L3P	Johnson Valley	24	25S	2E	8,800	
11H29	U	Cutter Creek	3	17N	1W	6,780	12M14	U	Brian Head	10	36S	9W	10,000	11L6P	SOUTHEASTERN UTAH DRAINESSES	36	33S	22E	9,000	
11H29	U	Dry Bird Pond	19	8N	4E	8,050	12M12	U	Ed Ward Flat	17	35S	9W	8,300	9M1P	Backboard Flat	22	34S	22E	9,500	
11H29	U	Gulider's Peak	21	6N	4E	8,050	12M15P	U	Tall Poles	26	35S	9W	8,800	9M2P	Camp Jack	22	34S	22E	9,500	
11H29	U	Maple Peak	16	6N	4E	8,250	12M11P	U	Yankee Reservoir	20	35S	8W	8,700	9L1P	LoSal Mountain (upper)	5	27S	24E	9,400	
11H29	U	Middle Fork Ogden	16	7N	2E	8,420	12M14	U	ENTERPRISE TO NEW HARMONY DRAINESSES	15	38S	17W	6,100	9M3P	Monicello Park	25	33S	23E	7,550	
11H29	U	Powder Mountain Hideaway	6	7N	2E	8,250	12M14	U	Little Grassy Creek	2	38S	14W	8,000	10J3P	ESCALANTE RIVER	34	33S	23E	7,550	
11H29	U	Powder Mountain Sundown	1	7N	1E	8,400	13M4AMP	U	Long Flat	2	38S	14W	8,000	10J3P	Widise-Escalante Summit	22	34S	14E	9,500	
11H29	U	Sagebrush Flat	21	7N	3E	6,300	13M4AMP	U	Widise-Escalante #2	3	38S	14W	8,000	10J3P	Widise-Escalante #3	22	34S	14E	9,500	
11H44P	U	Francis Canyon (upper)																		

# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation



UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
FEDERAL BLDG., - Room 4012  
125 SOUTH STATE ST.  
SALT LAKE CITY, UTAH 84138

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## FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data  
necessary for forecasting  
water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

—  
“The Conservation of Water begins  
with the Snow Survey”